

**To:** Emshwiller, John[[john.emshwiller@wsj.com](mailto:john.emshwiller@wsj.com)]  
**From:** Whitley, Christopher  
**Sent:** Wed 12/9/2015 9:36:13 PM  
**Subject:** RE: WSJ Story Inquiry re West Lake and Lead-210

I did indeed see it, John. I have already forwarded your initial email, and I will forward this follow-up, to my colleagues Ben Washburn and Curtis Carey, who are now handling inquiries related to this site. You should expect to hear from one of them soon.

## Chris Whitley

Public Affairs Specialist

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**From:** Emshwiller, John [<mailto:john.emshwiller@wsj.com>]  
**Sent:** Wednesday, December 09, 2015 3:34 PM  
**To:** Whitley, Christopher <[Whitley.Christopher@epa.gov](mailto:Whitley.Christopher@epa.gov)>  
**Subject:** Fwd: WSJ Story Inquiry re West Lake and Lead-210

Chris,

Just wanted to make sure that you saw this email I sent yesterday. Thanks and regards, John

----- Forwarded message -----

**From:** **Emshwiller, John** <[john.emshwiller@wsj.com](mailto:john.emshwiller@wsj.com)>  
**Date:** Tue, Dec 8, 2015 at 12:20 PM  
**Subject:** WSJ Story Inquiry re West Lake and Lead-210  
**To:** [Whitley.christopher@epa.gov](mailto:Whitley.christopher@epa.gov)

Cc: John Emshwiller <[john.emshwiller@wsj.com](mailto:john.emshwiller@wsj.com)>

Chris,

I hope you've been well since we last talked. In connection with a story I am working on, I'd like to know if the EPA has done any sampling for Lead-210 at or in the vicinity of the West Lake landfill. If sampling has been done, what were the results? If sampling hasn't been done, why not?

Among other things, I have been reading a 1993 DOE report concerning contamination in the St. Louis area from the nuclear-weapons-related waste produced by the work at Mallinckrodt. A paragraph from that report is below. It indicates that the biggest health risk from the Mallinckrodt nuclear waste came from Lead-210. Since the story I am looking into could run fairly soon, I'd appreciate any response you could get in the next day or so.

Thanks and best, John

#### *D.4.1 Radiological Risks*

*The estimated risks associated with the produce ingestion pathway from exposure to radioactive contaminants range from  $2.2 \times 10^{-4}$  for the residential vicinity property (current or future resident) to  $2.6 \times 10^{-2}$  for the HISS future resident (Tables D.5 and D.6). An additional risk of  $1.7 \times 10^{-2}$  would be incurred by the HISS future resident from exposure to contaminants in the waste pile (Table D.6). These risks all exceed the target risk range of  $1 \times 10^{-6}$  to  $1 \times 10^{-4}$ . For each property, approximately 90% of the risk is contributed by lead-210, with most of the remaining risk attributable to actinium-227 and protactinium-231 (Table D.5).*

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